

CITY OF BATH.



**ANNUAL REPORT**  
OF THE  
**Medical Officer of Health**  
AND OF THE  
**CHIEF SANITARY INSPECTOR**  
A. Tyler, F.S.I.A.,  
FOR THE YEAR  
**1941**

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**James F. Blackett, M.D., (Lond.), D.P.H.**  
*Medical Officer of Health.*

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# CITY OF BATH.

December, 1941

*Mayor* : Alderman AUBREY BATEMAN.

## HEALTH COMMITTEE.

*Chairman* : Councillor W. Barrett.

The Mayor.

Councillors :—

W. Barrett	C. W. Maxim	W. H. Rossiter
Dr. Barnes Burt	H. G. Price	W. J. Say
Mrs. M. H. N. Hatt	L. N. Punter, M.B.E.	E. J. Tiley
H. Male	S. H. Rawlings	

## MATERNITY AND CHILD WELFARE COMMITTEE.

*Chairman* : Councillor A. H. SMITH.

The Mayor.

Councillors :—

J. Allen	J. W. Andrews	P. E. Bence	A. W. S. Berry
Mrs. H. Cordiner	Mrs. M. H. N. Hatt	Capt. A. E. Hopkins, M.C.	
A. E. N. Morgan	L. N. Punter, M.B.E.	W. J. Say	A. H. Smith

Co-opted Members :—

Miss Corbett	Miss Ealand	Mrs. Hall	Mrs. Hocking
Mrs. Marsh	Mrs. M. Rawlings	Dr. E. Scott White	

## HOUSING COMMITTEE.

*Chairman* : Alderman S. DAY.

The Mayor, Aldermen S. Day, G. E. Hiskens, A. A. Hunt, C. H. Long

Councillors :—

S. J. Amblin	H. Male	A. E. N. Morgan
W. J. Say	A. H. Smith	

## STAFF. December, 1941.

The following particulars are given in accordance with the request of the Ministry of Health.

### PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health and School Medical Officer :

J. F. Blackett, M.D. (Lond.), D.P.H.

Deputy Medical Officer of Health and Deputy School Medical Officer :

B. A. Astley Weston,

M.B., B.S., (Bristol), M.R.C.S., L.R.C.P., D.P.H.

Assistant Medical Officers :

Norah D. Pinkerton, M.B., B.S. (Lond.), B.Sc.

H. Campbell, M.B., Ch.B., D.P.H.

City Analyst : \*H. F. Barke, F.I.C.

Chief Sanitary Inspector :

A. Tyler, Cert. San. I., Meat I., and Smoke I.,  
Ollett Medalist

District Inspectors :

W. T. Blake, M.M., Cert. San. I. and Meat. I.

J. W. Elliott, do. do.

J. D. Dant do. do.

R. W. L. Read do. do.

G. W. Dhenin do. do. (from Jan. 6th/41)

Mrs. C. M. Bond do.

Administrative Tuberculosis Officer : The Medical Officer of Health

Clinical Tuberculosis Officer : H. Campbell, M.B., Ch.B., D.P.H.

Tuberculosis Health Visitor : Mrs. B. E. Rose, S.R.N., Ex-Queen's Nurse

Health Visitors—Maternity and Child Welfare :

Miss G. Sparshatt, S.R.N., S.C.M.; New Health Visitors'  
Certificate.

Mrs E. M. Roberts, S.R.N., S.C.M.

Miss P. E. Timothy, S.R.N., S.C.M.; New Health Visitors'  
Certificate (on Active Service).

Miss D. M. H. Patching, S.R.N., S.C.M., New Health  
Visitors' Certificate (from Sept. 22/41)

Clerks :

C. J. Pring, Chief Clerk

V. G. Fudge (on Active Service)

Miss E. M. Bartlett

C. J. Taylor do.

R. G. Lavis

J. Snowdon

R. E. Adams (on Active Service)

Miss H. J. Batstone

Temporary Staff (including Billeting) :

Miss P. Jenkins

A. J. Hole

Mrs. E. Sylvester

R. C. Bryant

Miss N. M. Britton

Miss B. Goldsworthy

Medical Officers to Ante-Natal and Infant Welfare Centres :

Dr. Norah D. Pinkerton  
 Dr. H. Campbell  
 \*Dr. R. E. Thomas  
 \*Dr. A. Leech-Wilkinson

Superintendent of Council Midwives :

\*Miss A. Cook

Council Midwives :

M. E. Thomas  
 A. M. Turney  
 J. Davies  
 M. M. Berry

Medical Officer to Venereal Diseases Clinic (at Royal United Hospital)

\*Dr. R. Waterhouse

Medical Officer to Orthopædic Clinic :

\*Miss Maud F. Forrester-Brown, M.D., M.S. (Lond.).

Public Vaccinators :

Dr. H. Campbell  
 Dr. Astley Weston  
 \*Dr. P. H. Knowles

Vaccination Officer :

C. J. Pring

## CITY ISOLATION HOSPITAL.

Medical Superintendent and Medical Attendant :

J. F. Blackett, M.D. (Lond.), D.P.H.

Matron :

Miss M. M. Thompson, S.R.N., S.C.M.

## PUBLIC ASSISTANCE DEPARTMENT.

Medical Officers at St. Martin's Hospital :

Dr. R. S. Trueman, Dr. Clara D. Cross, Dr. F. Kohn  
 Dr. R. A. Bennett, Dr. P. Fassmann, Dr. I. Grau

\*District Medical Officers :

Dr. J. B. Bennett  
 Dr. T. C. Halley  
 Dr. E. R. Matthews  
 Dr. P. H. Knowles  
 Dr. R. Lynn  
 Dr. R. Scott Reid

The Staff of the School Medical Department is given in my Report to the Education Authority.

\*Part-time Officer of the Council



# SUMMARY OF STATISTICS.

## City and County Borough of Bath.

### Health Report and Chief Town of Somerset.

Area of the Borough, 5152 Statute acres.

Situation—Latitude 51° 23' N., Longitude 2° 21' W.

Elevation—Varies from 50 feet above sea level on the lower banks of the Bath Avon to about 550 feet on the South and 700 feet on the North.

Mean elevation—269 feet above sea level.

Geological Formation—Oolitic Clays, Limestones and Sands; Lias and Gravel.

Water—Constant service of moderately hard spring water. Corporation Reservoirs have a total capacity of 63,151,000 gallons. Average daily consumption, 1941, 25.68 gallons per head; 1936-40 25.56 gallons.

Sewage disposal almost exclusively by water carriage. Treated at Saltford.

House refuse removed and cremated by the Sanitary Authority.

Population—Pre-war, about 69,000 (see below).

Number of inhabited houses, Census 1931, 15,599 (*i.e.*, structurally separate dwellings occupied by private families). Estimate for 1941, 19,000.

	Years ...	1941.	1940.	Mean of 1936-40.	Mean of 1931-35.
Population { Birth and Marriage rates ...	...	82,870	79,290	70,432	68,556
Death rates ...	...	82,870	79,290	70,908	68,556
Rainfall (Mean of 75 yrs., 1866-1940, 31'02 ins)....	...	27'40	29'82	31'14	30'62
Rateable Value in October ...	£	648,712	642,314	619,703	577,182
Rates—Total per £ ...	...	12/-	11/2	10/6	10/-
One penny General Rate produced ...	£	2,510	2,495	2,390	2,251
Total nett indebtedness ...	£	2,624,858	2,539,940	2,211,120	1,896,791
Ditto per person ...	£	33-2-1	36-18-2	32-7-6	27-11-5
MARRIAGES—Number Registered ...	...	952	911	731	552
Rate per 1000 population, Bath	...	23'0	23'0	20'7	16'1
Ditto. England and Wales	...	18'7	22'6	19'2	16'1
BIRTHS—Number ... Bath	...	1091	980	877	767
Rate per 1000 population ... "	...	13'2	12'4	12'4	11'2
Ditto. England and Wales	...	14'2	14'6	14'9	15'0
Illegitimate births per 1000 Infants born ... Bath	...	64	51	48	49
DEATHS—Number—Bath residents... ..	...	1135	1212	1076	982
Nett rate per 1000 population, Bath	...	13'4	15'3	15'1	14'3
Standardized rate for age and sex "	...	11'0	12'5	11'3	10'5
Death Rate, England and Wales	...	12'9	14'3	12'5	12'0
INFANT MORTALITY— ... Bath	...	43	47	43	42
England and Wales	...	59	55	55	62
Illegitimate Infants ... Bath	...	83	40	42	76
DEATHS from Diarrhœa & Enteritis (under 2 yrs.)	...	2	1	1	3
Ditto. Rate per 1000 births, Bath	...	1'8	1'0	1'0	3'7
Ditto. do. England and Wales	...	5'1	4'6	5'3	6'2
PRINCIPAL CAUSES OF DEATH—					
Pulmonary Tuberculosis ... ..	...	44	45	40	40
" Other " Tuberculosis ... ..	...	7	8	6	9
Influenza ... ..	...	23	37	25	32

## SUMMARY OF STATISTICS—Continued

	Years	...	1941	1940	Mean of 1936-40	Mean of 1931-35
Pneumonia	...	...	71	74	57	60
Bronchitis	...	...	28	32	20	32
Cancer	...	...	156	148	155	142
Cerebral Hæmorrhage, etc., Heart Disease & other Circulatory diseases			448	553	458	333
Nephritis	...	...	33	34	38	44
Senile Decay	...	...	35	41	32	49
Seven principal "Zymotic" Diseases	...	...	13	2	8	8
Violence	...	...	61	47	43	34
DEATH RATES per 1000 population from—						
Pulmonary Tuberculosis	...	...	0·52	0·57	0·57	0·58
"Other" Tuberculosis	...	...	0·08	0·10	0·08	0·13
Influenza	...	...	0·27	0·47	0·35	0·47
Pneumonia	...	...	0·84	0·93	0·80	0·88
Bronchitis	...	...	0·33	0·40	0·28	0·47
Other Diseases of Respiratory Organs	...	...	0·12	0·04	0·10	0·22
Cancer	...	...	1·85	1·87	2·18	2·07
DEATHS at various age periods—						
Under 1 year	...	...	48	46	38	32
1 to 5 years	...	...	22	19	14	14
Between 5 and 60 years	...	...	262	239	239	231
Over 60 years	...	...	803	908	788	704
INFECTIOUS DISEASE—Cases notified						
Diphtheria	...	...	57	40	111	51
Scarlet Fever	...	...	161	278	129	130
Enteric Fever	...	...	8	3	3	1
Small-pox	...	...	—	—	—	—
Erysipelas	...	...	16	38	28	17
Ophthalmia Neonatorum	...	...	12	8	6	10
Puerperal Fever...	...	...	—	—	—	2
Puerperal Pyrexia	...	...	17	23	17	18
Pulmonary Tuberculosis	...	...	84	57	51	80
"Other" Tuberculosis	...	...	17	20	12	20
<i>See also pages 20 and 37</i>						
INFECTIOUS DISEASE - Attack rates per 1000 population—						
Diphtheria	...	...	0·67	0·50	1·59	0·74
Scarlet Fever	...	...	1·91	3·51	1·76	1·89
Enteric Fever	...	...	0·09	0·04	0·04	0·01
Erysipelas	...	...	0·19	0·48	0·39	0·25
Puerperal Fever...	...	...	—	—	—	0·03
Puerperal Pyrexia	...	...	0·20	0·29	0·24	0·26
Pulmonary Tuberculosis	...	...	0·99	0·73	0·72	1·17
"Other" Tuberculosis	...	...	0·20	0·25	0·17	0·29
NUMBER OF DEATHS from—						
Diphtheria	...	...	3	1	4	2
Scarlet Fever	...	...	—	—	1	—
Enteric Fever	...	...	—	—	—	—
Erysipelas	...	...	1	—	1	2
Measles	...	...	4	—	2	3
Whooping Cough	...	...	4	—	1	1
Puerperal Sepsis	...	...	2	—	1	1
DEATH RATES per 1000 population from—						
Diphtheria	...	...	0·04	0·01	0·06	0·03
Scarlet Fever	...	...	—	—	0·01	—
Enteric Fever	...	...	—	—	—	—
Erysipelas	...	...	0·01	—	0·01	0·03
Measles	...	...	0·05	—	0·02	0·04
Whooping Cough	...	...	0·05	—	0·01	0·01
Puerperal Sepsis	...	...	0·02	—	0·01	0·02
VACCINATION—Percentage of Infants vaccinated						
			*24	20	12	14

\*January to June only.

TO HIS WORSHIP THE MAYOR AND TO THE ALDERMEN  
AND COUNCILLORS OF THE CITY OF BATH.

LADIES AND GENTLEMEN,

This Report has been prepared in accordance with instructions contained in the Ministry of Health's Circular No. 2604, and describes as briefly as possible the more important activities of the various Committees of the Council responsible for the maintenance of the health of the community. Unfortunately it can no longer be said, in the sense that it could before the war, that these matters form the sole concern of the Health Office staff, because we now have to spend so much time on duties outside the scope of those for which the Department primarily exists.

It is satisfactory to be able to record a lower death rate, a lower infant mortality, and a higher birth rate in 1941 than in 1940. There were also more marriages, a slightly lower death rate from tuberculosis and cancer, and fewer notifications of infectious disease. On the other hand, housing conditions left much to be desired and a great many people, both residents and those from other districts, must have had to live in considerable discomfort. In matters of this kind, however, Bath was probably no worse off than a large number of other places classed as reception areas.

The rather late publication of the Report is due partly to the severe air raids of April, 1942, and partly to other unavoidable causes. In issuing it I wish to take the opportunity of expressing my sincere thanks to the chairmen and members of Committees for their sympathetic consideration and ready help at all times. I am deeply grateful to the staff for their loyal co-operation and efficient service under increasingly difficult circumstances. If we cannot record the progress of peaceful times we can at least look back on a year of sustained effort and adequate achievement.

I remain, Ladies and Gentlemen,

Yours faithfully,

JAMES F. BLACKETT,

*Bath, September, 1942.*

*Medical Officer of Health.*



# Report of the Medical Officer of Health for the City of Bath for the Year 1941.

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## Section A.

### STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

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Many details relating to Bath as a self-contained unit of local government have again been omitted, but they can be found in the opening paragraphs of Reports prior to last year's. All the more important statistics are given in the Summary on pages 6 and 7 and in tables elsewhere in this report. Attention is drawn here to certain figures of special interest, but explanations must for the most part be left to a later date.

The population at the middle of the year was considered by the Registrar-General to be 82,870, an increase of approximately 3,600, or about 20% over the corresponding figure for mid 1939. Only one figure was given for births and deaths instead of two as in 1939.

After adjusting for inward and outward transfers, the birth rate was 13.2 as compared with 12.4, 13.8, and 12.6 in the three previous years. The 1941 birth-rate for England and Wales was 14.2.

The number of marriages registered as taking place in Bath not necessarily of Bath people—again shows an increase, 952 as compared with 911, 886 and 729 in the three previous years.

The death rate fell from 12.5 to 11.0, the corresponding fall for the country as a whole being from 14.3 to 12.9. The Registrar-General has indicated that movements of population have made the "areal comparability factor" used in calculating local rates less reliable than formerly. We have continued to use the factor .82 given to us in 1940.

The infant mortality showed an improvement and was about the average for recent pre-war years. It was 43 as compared with 59 for the whole country.

The following extracts from the vital statistics are given in the form suggested in the Ministry of Health's Circular No. 2604.

		Total.	M.	F.	
Live Births	Legitimate	....1021	555	466	} Birth Rate, 13.2
	Illegitimate	.... 70	40	30	
Stillbirths	....	.... 31	17	14	Rate per 1,000
					total births, 27.6
Deaths	....	1135	496	639	Death-rate, 11.0
Deaths from puerperal causes* :—				Rate per 1,000 total	
			Deaths.	(live and still) births.	
	Puerperal sepsis	...	2	1.74	
	Other puerperal causes		3	2.60	
			—	—	
	Total	...	5	4 34	

Death-rate of infants under one year of age per 1,000 live births :—

Legitimate, 40 ;      Illegitimate, 83 ;      Total, 43.

Deaths from Cancer (all ages)	...	156
„ „ Measles (all ages)	...	4
„ „ Whooping Cough (all ages)	....	4
„ „ Diarrhoea (under 2 years of age)		2

\* See also page 14

## Section B.

### GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

**Laboratory Facilities.** No change in general arrangements. For nature and amount of work done see pages 21, 29—31.

**Ambulance Facilities.** For ordinary cases :—City Council 4, St. John Ambulance Association 4, Red Cross Society 2. For infectious cases, Isolation Hospital, 1. In addition there are 1 at St. Martin's Hospital and 10 in connection with the A.R.P. Services.

**Nursing in the Home.** Arrangements with the Bath District Nursing Association continued without change. During 1941 the District Nurses made 1,478 visits for the Council, the total charge being £59. This is exclusive of the work of the City Midwives (see page 13). A contribution of £80 was made through the Health

Committee. Nursing Association figures: 9 nurses (excluding midwives) paid 26,288 visits to 1,029 patients during year ending 31st March, 1942.

**Clinics and Treatment Centres.** These were no important changes.

**St. Martin's Hospital.** The greatly enlarged hospital of which a brief description was given in my last Report, continued in full working order for the whole year. The admissions on the city side numbered about 1300 and to the E.M.S. wards over 1700—more than 3000 in all. Many references to administrative details may be found in the proceedings of the Public Assistance (or Social Welfare) Committee as printed in the Council Minutes.

**Other Hospitals.** The division of the Royal United Hospital buildings into civilian and military sections remained as at the beginning of the war. The construction of a new military hospital on adjacent land may enable them to revert to civilian purposes during 1942.

The pressure on the beds at the Bath and Wessex Orthopædic Hospital led the Committee to open an extension at Southstoke. This was actually used for the first time on January 1st, 1942, when 12 patients were transferred from Combe Park. It is hoped to increase the number to about 30.

There were no important changes in other hospitals.

**Poor Law Medical Out-Relief.** No material changes in procedure. The average number chargeable and, therefore, at risk (year ended 31st March, 1942) was 403, as compared with 633, 871 and 888 during the three previous years. For further details of the medical services see Reports for 1934 (page 17) and 1935 (page 20).

**Other Poor Law Relief.** Average numbers chargeable during year :—  
At St. Martin's Hospital (including Infirmary, Mental, and other wards, but not casuals), 410; Children's Homes, 33; Mental Hospitals (Wells and Codford), 194; at Special Schools, 15; Boarded-out Children, 20.

**Public Assistance Committee.** For reasons which are given at length on pages 624-5 of the Council Minutes it was decided that, except for legal purposes, the name of this Committee should be changed, as from July 29th, to the Social Welfare Committee. Although this indicates rather than initiates changes in function and policy it is significant of a widening outlook on matters coming within the scope of the Committee's activities.

## Institutional Provision for the Care of Mental Defectives.

Except for minor changes in the numbers of patients, the position remains as described on page 18 of my Report for 1938.

### MENTAL TREATMENT.

Some figures relating to the Weston Lodge Nursing Home are as follows :—

		Bath cases	Others
In residence 1st January, 1941	...	6	5
Admitted	...	27	20
Discharged, Recovered	...	—	—
„ Improved	...	—	—
„ Not improved	...	—	—
(11 to Institutions)	...	—	—
Died	...	0	—
In residence 31st December, 1941	...	7	3

The attendances at the out-patient clinic were so small that it was decided to discontinue the clinic after the end of 1941.

At the Child Guidance Clinic, for which the Mental Treatment Act Committee is jointly responsible with the Education Committee, the attendances were again increased. Details are given on pages 15-16 of my 1941 Report as School Medical Officer. 166 individual children made 607 attendances.

## MATERNITY AND CHILD WELFARE.

A list of the various sections of which the Council's comprehensive scheme is comprised appears on page 20 of my 1938 Report. The more important figures for 1941 are given below. For number of births, birth-rates, infant mortality and maternal mortality, see pages 10 and 40. A statistical summary for the 10 years, 1926-35 may be found on pages 32 and 33 of my 1935 Report.

**Ante-Natal Clinics.** Figures in brackets are those for 1940.

Day		Rivers Street Tuesday and Wednesday 2.30—4	Blue Coat House Friday 10—12
Time			
Number of Sessions held	...	154 (131)	49 (49)
Number of new patients	...	556 (515)	156 (145)
Total attendances	...	2556 (2071)	833 (649)
Average per session...	...	17 (16)	17 (13)
Ante-natal home visits by City			
Midwives	...	1699 (1891)	
Proportion of new patients to all births registered	...	53% (57%)	



## **Ante-Natal and Post-natal supervision by private practitioners.**

See Report for 1938, page 21. Number of claims during 1941 : 55 for ante-natal examinations ; 5 for post-natal.

## **MIDWIVES.**

During 1941 the number of midwives signifying their intention to practise in the City was 38. Of these, 15 worked solely in Hospitals and 7 in connection with nursing associations. Of the 16 private midwives (some in nursing homes), two had 84 and 65 cases respectively ; three between 20 and 40 cases each ; one attended 17 cases ; and the remainder less than 10 each.

The number of confinements attended by all midwives was 1,131—last year it was 985.

Births registered numbered 1,350.

Altogether, a doctor was called in under the Rules of the Central Midwives Board on 307 occasions for various emergencies in connection with births and miscarriages. These emergencies may be grouped as follows : Complications of labour, 182 ; Ante-natal conditions, 65 ; Post-natal condition of mother, 23 ; Unsatisfactory condition of child, 37.

**City Midwives.** The staff attended 281 cases during 1941 (352 in 1940). The net cost to the City for year ended 31st March, 1942, was £1,008 (£973 in previous year).

**Medical Practitioners called in by Midwives.** The list of approved practitioners issued in April, 1939, remains unaltered. Liabilities under Section 14 of the Midwives Act, 1918, during the year ended 31st March, 1942, were £525 and the amount recovered from patients, £341.

## **MATERNITY BEDS.**

The City Council has the right to nominate patients to 16 beds in the Royal United Hospital—prior to June, 1941, the number was 10. In addition Bath patients are admitted to the maternity wards at St. Martin's Hospital by arrangement with the Social Welfare Committee and during 1941 184 births took place there.



The Royal United Hospital figures for 1941 are as follows:—

	1941	1940
* Number of new patients admitted	280	243
Number of primipara included	167	150
Number of readmissions	10	6
Number of confinements	274	236
Number of "patient-days"	5328	4145
Ante-natal	1098	527
Confinement and after	4230	3618
Total available	5840	4866
Proportion actually used	91%	85%
Maternal deaths	2	1
Stillbirths	12	10
Deaths of Infants within 10 days	5	7
Weekly maintenance rate	£4 6 4	£3 4 2
† Income received from patients	£1,846	£1,488

\* This figure refers to individual mothers admitted for the first time (for that pregnancy) during the year. They were not necessarily confined during the year.

The figures given above are taken from Health Office records. They may differ slightly from those of the Hospital.

Patients admitted within three days of birth of child are not considered as having had ante-natal treatment. Otherwise, treatment is counted as ante-natal up to the day before birth.

According to the Hospital statistics midwives are responsible for actual deliveries in about three-quarters of all our cases.

**Maternal Mortality.** Five deaths occurred, giving a rate of 4.34 per 1,000 total (live and still) births.

## INFANT WELFARE CENTRES.

The number of Centres and the times at which sessions are held were as described on page 26 of my 1938 Report. Figures for 1941 are as follows:—

		Blue Coat House	Walcot	Twerton	South- down	Odd Down
Numbers of sessions	...	94	95	47	24	46
Attendances of children	...	3165	3235	1225	930	1154
New cases included in above		365	286	212	115	105
Average attendance of Infants per session	... ..	33.7	34.1	26.1	38.8	25.1

The attendances recorded above are those in which the child was seen by the doctor. The table shows that there were 9,709 consultations at 306 sessions, an average of 31.7 per session. (In 1940, the figures were 10,564 ; 307 ; and 34.4). In addition, there were 4,656 visits of infants for weighing, renewal of milk applications, and so forth, for whom a consultation with the doctor was not necessary.

## SUPPLY OF MILK TO NECESSITOUS MOTHERS AND CHILDREN.

Notwithstanding the large quantities of milk for infants now obtained by parents free or at reduced prices under the Government scheme, about five tons of dried milk of various special types were distributed by us at our Infant Welfare Centres. Most of this was paid for at cost price by the mothers and all of it was sanctioned by the medical officers. If the equivalent of more than one pint a week is given for any one child, the local Food Office is informed.

**Dental Service.** There was no change in the general arrangements. 252 new and 12 old maternity patients made 1,147 attendances at 87 sessions. In addition, 27 children under school age made 47 attendances.

**Health Visitors.** The usual arrangements were continued. Visits during 1941 were:—To children under one year, 4,601 ; between one and five, 5,041 : others 1,592 ; total 11,234.

### Child Life Protection.

Number of Names	Foster Parents	Children
On Register at end of 1940 ...	42	55
Added during the year ...	31	55
Removed during the year ...	13	33
On Register December 31st, 1941	60	77

**Orthopædic Treatment.** The Maternity and Child Welfare Committee were responsible for the in-patient treatment of 11 cases, for 411 attendances at the After-Care Clinic, and 511 at the Massage Clinic. See also pages 10 and 11 of my Report as School Medical Officer.

### Nursing and Maternity Homes.

1941	Nursing Homes only	Maternity Homes only	Combined Nursing & Maternity
Homes removed from Register ...	0	0	0
Homes added to Register ...	2	0	0
Leaving at end of year...	11	4	8

There were no appeals or changes of ownership.

**"Birth Control" Clinic.** Twelve cases attended the clinic.

**Adoption of Children Act, 1926.** 22 cases were investigated. 21 Orders were granted unconditionally and one for an interim period of twelve months. 20 applications were made jointly by husband and wife; in one the wife was under 25, and in another the applicant was an unmarried woman. 9 of the children were under one year of age and the remaining 13 were between 1 and 9 years. One of them was legitimate, 19 were illegitimate and 2 were of doubtful legitimacy. In 5 cases the child was related to the applicants.

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## Section C.

### SANITARY CIRCUMSTANCES OF THE AREA.

**Water.** No important new works were undertaken during 1941. All the usual precautions for ensuring the purity of our water were maintained and regular analyses were made at all the sources. There was an adequate supply for domestic purposes but it was thought best to continue the restrictions on the use of water for garden and other similar purposes.

In regard to other matters coming under Section C and referred to on pages 32 and 33 of my Report for 1938, there was no material change during 1941. Details concerning the sanitary inspection of the area are to be found in the Chief Inspector's Report on pages 25 to 36.

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## Section D.

### HOUSING.

(A). **INDIVIDUAL UNFIT HOUSES.** Details of action taken are given in the following table. 21 persons were displaced from the houses in question during the year.

#### HOUSING STATISTICS

Number of new houses erected during the year 1941 :—

By the Local Authority ...	...	...	0
By other bodies and persons	...	...	0

---

1. *Inspection of Dwelling-houses during the year :—*

(1)	(a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ..	1113
	(b)	Number of inspections made for the purpose ...	3283
(2)	(a)	Number of dwelling - houses (included under sub-head (1) above), which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... ..	125
	(b)	Number of inspections made for the purpose ...	542
(3)		Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	86
(4)		Number of dwelling - houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... ..	253

2. *Remedy of Defects during the year without Service of formal Notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ..	289
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3. *Action under Statutory Powers during the year :—*

## (a.) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs ... ..	17
(2)	Number of dwelling-houses which were rendered fit after service of formal notices :—	
	(a) By owners ... ..	3
	(b) By local authority in default of owners ...	2

## (b.) Proceedings under Public Health Acts :

(1)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... ..	227
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*Continued on next page.*

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

(a) By owners ... .. 51

(b) By local authority in default of owners ... —

(c.) Proceedings under sections 11 and 13 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which Demolition Orders were made... .. 4

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders ... .. 4

(In addition, 4 houses were made fit after service of formal Sec. 11 Notices).

(d.) Proceedings under section 12 of the Housing Act, 1936 :

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ... .. 3

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .... .. —

#### 4. *Housing Act, 1936—Overcrowding.*

(a)—(i) Number of dwellings overcrowded at the end of the year .... .. 53

(ii) Number of families dwelling therein .... 90

(iii) Number of persons dwelling therein .... 286

(b)—Number of new cases of overcrowding reported during the year .... .. 54

(c)—(i) Number of cases of overcrowding relieved during the year .... .. 39

(ii) Number of persons concerned in such cases .... 283

(d)—Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding .... —

(e)—Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report, —



## (B). UNHEALTHY AREAS.

As far as actual achievement since 1933 is concerned, the position at the end of 1941 in regard to the confirmed areas was as follows:—

	At end of 1940	During 1941	At end of 1941
No. of persons displaced .. ..	1170	5	1175
„ „ „ awaiting displacement	130	—	125
„ „ houses demolished .. ..	168	2	170
„ „ „ to be demolished .. ..	228	—	226

(C). OVERCROWDING. The official figures for 1941 are to be found on page 18.

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## Section E.

**Inspection and Supervision of Food.** See pages 29 to 34.

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## Section F

### INFECTIOUS DISEASES

An analysis of notifications received and cases removed to hospital during 1941 in relation to the age and sex of the patients is given on page 37. On page 7, notifications, attack rates, deaths and death-rates, of the principal diseases are summarised and the figures compared with similar ones for previous years. Further details in regard to particular diseases are given below.

**Diphtheria.** The number of cases notified was 57 compared with 40 in 1940, 93 in 1939 and 181 in 1938. There were 3 deaths.

**IMMUNISATION.** The position at the end of 1941 was as follows:—

Immunised.	Under 5.	5—15 years.
Prior to January, 1940 ....	408	816
January—December, 1940 ....	34	130
During 1941 ....	541	1149
Total <u>3078.</u>	<u>983</u>	<u>2095</u>

These figures indicate that we had dealt with about 20% of the estimated child population. The proportion is likely to be materially higher by the end of 1942. We are now using two injections of A.P.T.

**Scarlet Fever.** The number of cases notified was 161 (278 in 1940). Most of the cases were of a mild type and there were no deaths.

**Enteric or Typhoid Fever.** Eight notifications were received, all para-typhoid. All did well.

**Small-pox.** No cases. For hospital arrangements see Report for 1938.

**Puerperal pyrexia.** 17 notifications. 5 patients received treatment at the Royal United Hospital; 5 at St. Martin's Hospital; and 7 at home.

**Cerebro-spinal Fever.** 15 cases were notified and there were three deaths. Six were treated at the Isolation Hospital with no deaths.

**Measles.** The widespread epidemic referred to in my last Report continued until the middle of 1941. Of the 1,705 cases notified all but 16 occurred in the first half of the year. The type was unusually mild, and only four deaths occurred.

**Whooping Cough.** 242 cases were notified and there were 4 deaths.

#### CASES OF INFECTIOUS DISEASE NOTIFIED, ADMISSIONS TO HOSPITAL, AND DEATHS DURING THE YEAR 1941.

Disease.			Total Cases Notified.	Cases admitted to Hospital.	Total Deaths.
Scarlet Fever	...	...	161	142	—
Diphtheria	...	...	57	63*	3
Enteric Fever	...	...	8	6	—
Puerperal Pyrexia	...	...	17	10	1
Pneumonia	...	...	30	3	2
Erysipelas	...	...	16	1	1
Ophthalmia Neonatorum	...	...	12	8	—
Measles	...	...	1705	19	4
Whooping Cough	...	...	242	23	4
Cerebro-Spinal Fever	...	...	15	13	3
Anterior Poliomyelitis	...	...	8	7	1
Acute Polioencephalitis	...	...	1	1	1

\* Including 8 "carriers."

An analysis of cases under age groups will be found on page 37 and for deaths on pages 38 and 39.

## LABORATORY WORK.

For general arrangements see 1938 Report, pages 14 and 42.  
Pathological examinations during 1941 were as follows:—

Examinations			Positive.		Negative.	Total.
<i>b</i>	Diphtheria Bacillus	....	29	....	584	613
<i>b</i>	Hæmolytic Streptococci	....	....	....	....	5
<i>ab</i>	Gonococcus	....	....	....	....	79
<i>b</i>	Trichomonas	....	4	....	11	15
<i>a</i>	Wassermann Reaction	....	....	....	....	158
<i>b</i>	Widal tests	....	....	....	....	10
<i>b</i>	Fæces	....	....	....	....	14
<i>b</i>	Tubercle Bacillus—sputum	....	16	....	70	86
<i>d</i>	Ringworm Fungus	....	....	....	....	*
<i>b</i>	Cerebro-spinal fluid	....	....	....	....	9
<i>b</i>	Analysis of Urine	....	....	....	....	11
<i>b</i>	Blood Count and haemoglobin estimation	....	....	....	....	4
<i>b</i>	Others	....	....	....	....	6

*a* Bristol University Department of Preventive Medicine.

*b* Bath Central Laboratory.

*d* School Clinic.

\* Exact numbers not available.

## ISOLATION HOSPITAL

Hospital Statistics. January 1st to December 31st, 1941

Cases admitted as :			Number.			Deaths.	
			City	Rural	Military	City	Rural
Diphtheria	...	...	55	8	1	4*	1
Scarlet Fever	...	...	141	29	—	—	—
Diphtheria Carriers	...	...	8	—	—	3	—
Observation	...	...	10	4	—	—	—
German Measles	...	...	3	—	—	—	—
Chicken-pox	...	...	5	—	—	—	—
Measles	...	...	19	6	—	1	1
Meningitis	...	...	1	—	1	—	—
Scabies	...	...	1	—	—	—	—
Erysipelas	...	...	—	4	—	—	—
Tuberculosis (pulmonary)	...	...	11	—	—	1	—
Poliomyelitis	...	...	2	—	—	—	—
Enteritis	...	...	—	3	—	—	1
Pemphigus	...	...	1	—	—	—	—
Whooping Cough	...	...	23	7	—	1	1
Mumps	...	...	3	—	—	—	—
Cerebro-spinal fever	...	...	6	2	—	—	—

*Continued on next page.*

	City	Rural	Military	City	Rural	Military
Para-Typhoid fever ...	5	5	—	—	—	—
Post Diphtheretic Paralysis	1	—	—	—	—	—
Otitis ...	—	1	—	—	—	—
	—	—	—	—	—	—
Totals ...	295	69	2	10	4	—

\* Including 1 non-resident.

Owing to adjustment in regard to diagnosis these figures may not agree exactly with those on page 37. 1941: Number of "patient-days" 10,820; average daily number in hospital 29.6; monthly average—maximum 43, minimum 18.

**Clinical Notes (summary) 1941.** Six consultations were needed and two mastoid operations were performed at the Hospital.

On 7 occasions scarlet fever, whooping cough, measles or chicken-pox were introduced from outside but fortunately there were no cross infections.

Admitted by request from other hospitals, 58, from other institutions 9, from hostels, hotels and schools 15.

## CANCER

The Cancer Act of 1939 added to the responsibilities of Local Authorities in connection with the treatment of cancer. Although the coming into force of the Act was postponed on the outbreak of war, further developments, more particularly in regard to radium and deep ray therapy, were under consideration in 1941. I hope to be able to report that definite progress was made in 1942.

In connection with the Council's scheme there were 74 names on the register during 1941—16 more than in 1940. Of these, 24 had been brought forward from 1940. During the year 19 patients are known to have died, and 7 had their names removed from the list as apparently cured or no longer in need of assistance. This leaves 48 to be carried forward to 1942. Assistance was actually given to 63 patients. In 25 cases the cost of home nursing undertaken by the staff of the District Nursing Association was paid for by the Council at the agreed rate of 9d. a visit. The total number of visits amounted to 1,161, but the number varied from 1 to 132 in individual instances. The patients were not in a position to pay nursing fees and no insurance money was available for the purpose. Fourteen patients were supplied with dressings and disinfectants through the Health Office. The Council also paid three-quarters of the cost, in approved cases, of treatment by deep ray therapy arranged through the Royal United Hospital and of radium treatment given at that Hospital. In 1941, 18 patients received treatment by deep ray therapy; 19 by radium, and 2 by both deep ray and radium.

## BLIND PERSONS

Number on Register 31st March, 1942, 180. About half were in receipt of assistance from City Council, and 21 were in Homes or Institutions. The net cost to the City, after deducting £502 for sale of articles made at the workshop, was £3,947.

For further details see separate report published by the Bath Society for the Blind.

## TUBERCULOSIS

The general arrangements described on pages 47 to 50 of my 1938 Report continued without material alteration.

There were 44 deaths from pulmonary and 7 from other forms of tuberculosis (45 and 8 in 1940). Notifications numbered 84 pulmonary and 17 from other forms (57 and 20 in 1940). Number of cases on the Register of Notifications end of 1941, 335 (282 in 1940).

An analysis of notifications according to age and sex is given on page 37, and a similar analysis of deaths on page 38.

**The Dispensary.** The evening session was discontinued during the winter owing to the black-out.

Patients referred to Dispensary for examination	...	...	...	310
Found tuberculous	...	....	....	45
Contacts examined	...	...	....	91
Found tuberculous	....	....	...	4
Total attendances, including above	....	....	....	1516
Tuberculosis Officer's visits to patients at home	...	...	...	59
X-ray examinations	....	...	....	248

Milk was distributed at the Council's expense to 67 individual patients in 1941. The cost for the year ended 31st March, 1942, was £70.

During the year the City Tuberculosis Health Visitor paid 1,779 effective home visits, as well as being in regular attendance with the Medical Officer at the Clinic.

**Sanatorium Treatment.** Discharges from :—Winsley, 13 ; fit for work 1, improved 8, not improved 2, died 2. Patients also received treatment at Bath and Wessex Children's Orthopædic Hospital ; Dorset Red Cross Children's Hospital at Swanage ; Wingfield-Morris Orthopædic Hospital ; St. Michael's Home at Axbridge ;



Brompton Hospital; Benenden Sanatorium; Papworth Village Settlement and British Legion Village.

Artificial pneumothorax refills are done by arrangement at the Winsley Sanatorium. During 1941, 19 individual patients had 292 refills.

## VENEREAL DISEASES

The general arrangements are those described on page 50 of my 1938 Report.

	1941	1940	Average 1936-40
Number of new patients ...	63†	55	66
*Total number of out-patient attendances ...	1014	875	1163
†Average cost of each attendance ...	5/8	7/9	7/1
Total number of "in-patient" days ...	0	35	21

NOTES:—\**i.e.*, seen by Medical Officer—not "intermediate treatment." The number of irrigations was 197 (1,191 in 1940).

†Year ended 31st March, following.

‡Syphilis, 21; Gonorrhœa, 26; Soft Chancre, 0; Not Venereal, 16.

All the above figures refer to Bath only.

For details as to the number of pathological examinations made, see page 21.

A very small number of Bath patients treated at Clinics elsewhere are not included.

There is a local Branch of the British Social Hygiene Council. The activities are described in a special Report issued by the Branch.

## LOCAL GOVERNMENT SUPERANNUATION ACT, 1937

Number of medical examinations in 1941 was 61. See also page 51 of my 1938 Report.

# ANNUAL REPORT

OF THE

## Chief Sanitary Inspector

### For the Year 1941.

TO HIS WORSHIP THE MAYOR AND TO THE ALDERMEN  
AND COUNCILLORS OF THE CITY OF BATH.

LADIES AND GENTLEMEN,

I have the honour to present to you a report of the administration of the Sanitary Inspector's Department for the year 1941.

Although formal action under the Housing Acts was almost entirely suspended owing to war-time conditions, a considerable number of improvements were effected informally, due consideration being given to the difficulties in obtaining labour and materials. Increase in population and almost total cessation of the construction of dwelling houses resulted in an acute housing shortage which almost certainly explains the increase in the number of cases of overcrowding.

It is interesting to note that despite the national efforts made to eradicate Tuberculosis from food animals, the records of animals slaughtered in Bath during the four years 1938-41 indicate that the percentage of cattle (excluding cows) affected with the disease was 13.7 per cent. in 1941 as compared with 8.8 per cent. in 1938. In the case of cows and pigs, however, the position is more favourable, the percentages during the same period having been reduced from 41.4 to 31.5 per cent., in respect of cows and 12.6 to 9.7 per cent. in regard to pigs. These figures are based on 100% examination over the whole period of animals slaughtered in Bath.

There was a large increase in the number of unsatisfactory food samples, due primarily to various food substitutes which on analysis were found to be of very inferior quality. The attention of the Ministry of Food was drawn to the difficulties encountered by local authorities taking legal proceedings in such cases, and in order to obviate this happening in Bath a number of cases were reported to the Ministry of Food for such action as they deemed necessary, but in no instance did they decide to institute legal proceedings.

The Department again carried out important duties in connection with Civil Defence, including arrangements for the Decontamination of Food and Clothing, Emergency Sanitation, and Food Salvage. The supervision of air-raid shelters was also transferred to the department.

In July, 1941, I was obliged owing to ill-health to relinquish the post of Chief Billeting Officer and Mr. R. Lavis was appointed to that position.

The cordial support I have received from the Chairman and Members of the various Committees has been greatly appreciated.

I am particularly indebted to Dr. Blackett for his continued confidence and support, and I also appreciate the work of the staff of the department among whom there has been an excellent team spirit throughout the year.

I remain, Ladies and Gentlemen,

Yours faithfully,

A. TYLER,

*Bath, September 1942.*

*Chief Sanitary Inspector.*

## SECTION I.

## SUMMARY OF HOUSING, SANITARY WORK, ETC.

No. of inspections and re-inspections in connection with:—

## HOUSING.

Housing Act, 1936.	Sec. 9-12.	Inspections	...	79
"	"	Re-inspections	...	417
"	"	Re-overcrowding...	...	203
"	"	Miscellaneous visits	...	198
"	"	Houses let-in-lodgings	...	36
Council House applications investigated	...	...	...	255
Houses of prospective tenants inspected	...	...	...	91
Council Houses inspected or re-inspected...	...	...	...	1,153
				<hr/>
Total				2,432

## FOOD INSPECTION.

Bakehouses	...	...	...	105
Butchers shops	...	...	...	1,416
Cooked Meat Shops	...	...	...	121
Cowsheds	...	...	...	70
Dairies and Milkshops	...	...	...	170
Fried-fish shops	...	...	...	62
Grocers	...	...	...	249
Ice-cream premises	...	...	...	36
Poulterers	...	...	...	47
Slaughter-houses	...	...	...	2,332
Other food premises	...	...	...	234
Food and Drugs sampling	...	...	...	240
Merchandise Marks Act	...	...	...	624
Water supplies	...	...	...	34
				<hr/>
Total				5,740

## CIVIL DEFENCE.

Decontamination (Food and Clothing)	...	...	...	338
Air Raid Shelters	...	...	...	376
Government Evacuation Scheme	...	...	...	875
Hostels for H.M. Forces	...	...	...	40
Emergency Sanitation	...	...	...	78
				<hr/>
Total				1,707

## GENERAL.

Infectious diseases	...	...	...	255
Vermin—in Corporation houses	...	...	...	30
" " Private houses	...	...	...	67
Keeping of animals or poultry	...	...	...	95
Rats and Mice...	...	...	...	324

Smoke nuisances—industrial	...	...	...	6
"          —domestic	...	...	...	20
Drainage investigations	...	...	...	473
Drain testing	...	...	...	177
Provision of dustbins	...	...	...	104
Public conveniences	...	...	...	90
Places of Public entertainment	...	...	...	17
Miscellaneous	...	...	...	491
Total				2,149

### Notices Served :

			Informal	Formal
Housing Act, 1936	..	..	17	5
Public Health Act, 1936	..	..	276	55
Food and Drugs Act, 1938	..	..	32	—
Shop Acts, 1912-1936	..	..	3	—
Shops Regulations, 1934	..	..	1	1
Rats and Mice (Destruction) Act, 1919	..	..	52	—
Public Health (Meat) Regulations,	..	..	11	—
Merchandise Marks Act, 1926	..	..	9	—
Milk and Dairies Order, 1926	..	..	16	—
Milk (Special Designations) Order, 1936	..	..	12	—
Total			429	61

### Works completed, Nuisances abated, etc.

Additional sinks provided	..	..	..	18
,, water-closets provided	..	..	..	12
,, water services and taps provided	..	..	..	30
Animals—nuisances from keeping of, abated	..	..	..	54
Chimneys repaired	..	..	..	43
Dampness remedied	..	..	..	101
Drains repaired, unstopped or reconstructed	..	..	..	118
Dustbins provided	..	..	..	73
Firegrates repaired	..	..	..	57
Floors repaired..	..	..	..	137
Food stores provided	..	..	..	15
General internal repairs..	..	..	..	69
Lighting (artificial) provided to staircases	..	..	..	2
Offensive accumulations removed	..	..	..	42
Overcrowding abated	..	..	..	39
Plaster repaired or renewed	..	..	..	151
Premises disinfected	..	..	..	355
,, disinfecting	..	..	..	59
,, ratproofed	..	..	..	78
Rainwater pipes and gutters repaired or renewed	..	..	..	118
Roofs repaired	..	..	..	208
Rooms cleansed	..	..	..	177

Sinks renewed .. .. .	38
Stairs repaired .. .. .	11
Ventilation of rooms improved or provided ..	9
Washing facilities provided .. .. .	25
Wastepipes renewed, repaired or reconstructed ..	70
Waterclosets repaired or renewed .. .. .	87
Paving repaired or relaid .. .. .	41
Miscellaneous .. .. .	80
Total	2,317

### DISINFECTION.

	No. of premises	No. of Rooms
Tuberculosis ... .. .	45	54
Scarlet Fever ... .. .	145	160
Diphtheria ... .. .	45	56
Cancer ... .. .	31	31
Other Diseases ... .. .	12	12
Total...	278	313

In addition 37 steam disinfections were carried out, and several hundreds of blankets were disinfected on behalf of Civil Defence Services, Home Guard, H.M. Forces, Welfare Hostels and Firewatchers.

**Disinfestation.** 46 Corporation houses and 67 privately owned houses were found to be verminous and were treated in the manner outlined in my Report for 1938.

A large number of soldiers and Government workers were cleansed and their bedding and clothing disinfested at the Disinfecting Station.

**Corporation Estates.** Inspection of Corporation Houses by Woman Sanitary Inspector :—

Inspections or re-inspections ....	1,106
Number of houses found to be satisfactory ...	768
„ „ „ „ „ „ „ unsatisfactory ...	338
(including 14 overcrowded and 16 verminous)	
Defects found and reported ... .. .	62
Housing applications and transfers investigated ...	56

**Houses Let-in-Lodgings.** 36 premises of this type were inspected and appropriate action taken.



**Common Lodging Houses.** The three premises of this type in the City were inspected periodically and found to be maintained in a satisfactory condition. (One was closed in March, 1942.)

**Tents, Vans and Sheds.** One contravention was detected but the caravan was removed from the site before the statutory period had expired.

**Camping Sites.** No applications for licenses were received and no sites were used for camping.

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## SECTION II.

### INSPECTION AND SUPERVISION OF FOOD.

#### Registration of Premises (Food and Drugs Act, 1938).

	Newly registered	Discontinued	Total now registered
For the sale or manufacture or storage of ice-cream	5	—	54
For the preparation or manufacture of sausages or potted, pressed, pickled, or preserved food	20	—	61

#### Food and Drugs Sampling.

224 samples of food and drugs were submitted for analysis, which represents 3.5 per 1000 population. Sixteen, or 7.1 per cent. of the samples were found to be adulterated, viz.:—Milk 7, Egg Substitutes 2, Tinned Meat 2, Ointment 1, Cocoa 1, Milk Powder 1, Blanc-mange Powder 1, and Cooking Powder 1.

Three vendors were prosecuted (see page 36) and a fourth prosecution was pending. (Case heard January, 1942).

#### Bacteriological Examination of Food.

Four samples of Irish pressed beef were submitted for bacteriological examination. Two of the samples contained excessive numbers of organisms and in addition, one of these samples contained *Bacillus Coli*. (10,000 per gram),

Three samples of ice-cream were submitted for bacteriological examination. All were found to contain *Bacillus Coli.* in 0.1 c.c. and excessive numbers of organisms. In each case the vendor was cautioned. In addition, their premises were inspected and advice given regarding the measures to be taken to ensure satisfactory methods of production, and storage of foodstuffs, utensils, etc.

## Food Poisoning.

One small outbreak of suspected food poisoning was reported, possibly due to eating salads which had been watered with bath water. No deaths occurred.

## Preservatives, &c. in Food.

The following 43 articles to which preservatives may be added in accordance with the Public Health (Preservatives, &c. in Food) Regulations, 1925-27, were submitted for analysis:—Prepared starches 26, Sausages and Sausage Meat 9, Jam 3, Beer 2, Jellies 2, Sauce 1. In no case was the permissible amount of preservative exceeded or any prohibited colouring matter added.

## Condensed Milk, Artificial Cream, Bread, Butter, Margarine.

No samples taken or contraventions observed.

## Dried Milk.

Two samples were submitted for analysis. One was found to be adulterated. The sale of this particular brand was discontinued before statutory action could be taken.

## Milk and Dairies.

Cowsheds inspected and re-inspected	..	..	70
Dairies	..	..	170
Notices served under Milk and Dairies Order, 1926	..		16
Vendors cautioned for filling bottles other than on registered premises	..	..	5
Number of registered dairymen, 96 viz :—			
Producers inside City area	..	..	17
„ outside City but retailing inside City	..	..	27
Other retailers	..	..	47
Wholesalers	..	..	5

## Milk (Special designations) Order, 1936-38.

Twelve licenses were granted :—

	T.T. Cert.		T.T.		Accredited		Pasteurised	
Producers' Licence ..	1	..	—	..	1	..	—	
Dealers' „ ..	2	..	4	..	—	..	3	
Pasteurisers' „ ..	—	..	—	..	—	..	1	
Supplementary „ ..	—	..	—	..	—	..	—	
	3	..	4	..	1	..	4	

## Bacteriological Examination of Milk.

Thirty-three samples were submitted for bacteriological examination, viz. :—

	T.T.	Pasteurised	Raw
Number of samples	1	15	17
Failed Methylene Blue Test	—	—	5
„ Phosphatase Test ..	—	7	—
Excessive number of organisms on Agar at 37° c ..	—	7	8
B. Coli present in 3 Tests ..	—	10	12
Passed all Tests	1	4	3

## Water Sampling.

Samples from public supply analysed	...	...	8
Number found to be polluted and unsuitable	...	...	0
Samples from springs analysed	...	...	1
Number found to be polluted and unsuitable	...	...	1
(This was the source of supply to a dwelling-house and dairy. Public supply has now been laid on).			
Samples from Corporation Swimming Baths analysed	...	...	8
Number found to be polluted	...	...	0
Number found to contain excess free chlorine or bacteria	...	...	4

## Bakehouses.

Number in use (including 3 basement bakehouses)	...	33
Inspection or re-inspections	...	105
Notices served in respect of limewashing	...	17
Notices served in respect of other conditions	...	8

### Fried Fish Shops.

Number in use	...	...	...	...	28
Inspections and re-inspections	...	...	...	...	62

### Merchandise Marks Act, 1926.

Inspections and re-inspections	...	...	...	...	624
Contraventions	...	...	...	...	9

### Meat Carcasses Inspected and Condemned.

	Cattle excluding Cows.	Cows.	Calves	Sheep	Pigs	Total.
Animals killed	2651	2909	1645	11110	14794	33109
Animals examined	2651	2909	1645	11110	14794	33109
All Diseases except TUBERCULOSIS.						
Whole carcase condemned	1	5	1	21	17	45
Carcases of which some part or organ was condemned	434	856	2	419	486	2197
Percentage of the number affected with disease other than Tuberculosis	16.4	29.6	0.18	3.1	3.4	6.77
TUBERCULOSIS Only.						
Whole carcase condemned	6	62	—	—	34	102
Carcase of which some part or organ was condemned	358	855	—	—	1413	2626
Percentage of the number affected with Tuberculosis	13.7	31.5	—	—	9.7	8.5

### Total Weight of Food Condemned, During 1941.

		Tons	cwts	qrs	lbs
In slaughterhouses and butchers shops		62	7	0	0
In provision shops, warehouses, etc. ;					
(a) tinned foods	...	1	0	2	23
(b) fish	...	1	14	2	26
(c) other foods	...	7	14	1	27
		72	16	3	20

# MEAT INSPECTION.

## CAUSES OF CONDEMNATION, AND WEIGHT IN POUNDS, DURING 1941.

Disease.	Cattle.	Cows.	Calves.	Sheep.	Pigs.	Total.
Abscesses	239	1496	113	110	830	2788
Actinomycosis	45	10	—	—	28	83
Angioma	—	193	—	—	—	193
Arthritis	18	—	—	—	60	78
Bruising	141	544	—	15	1364	2064
Cirrhosis	170	31	—	21	412	634
Caseous Lymphadenitis	—	—	—	43	—	43
Distomatosis	4053	8694	—	853	—	13600
Dropsy	—	114	—	186	114	414
Echinococcus	13	—	—	—	—	13
Emaciation	—	236	—	—	—	236
Fevered	—	—	—	127	182	309
Fatty Degeneration	—	—	—	—	10	10
Inflammation	65	74	30	200	556	925
Jaundice	—	—	—	—	117	117
Johnes Disease	30	664	—	—	—	694
Mastitis	—	25	—	180	598	803
Multiple Growths	—	—	—	—	75	75
Natural Death	672	—	—	649	852	2173
Necrosis	—	18	—	—	467	485
Nephritis	4	34	—	—	50	88
Oedema	—	410	—	—	—	410
Parasitic Infection	—	—	—	429	239	668
Pericarditis	—	—	—	33	—	33
Peritonitis	—	811	—	—	55	866
Pigmentation	—	—	—	—	97	97
Pleurisy	—	—	—	26	—	26
Putrefaction	—	—	—	—	170	170
Septicæmia	—	507	—	—	—	507
Tuberculosis	13742	67067	—	—	30253	111462
TOTAL	19192lbs.	80928	143	2872	36529	139664lbs.



## Public Health (Meat) Regulations, 1924.

Slaughterhouses in use (incl. Bacon Factory)	...	5
Visits to slaughterhouses	... ..	2332
Slaughterhouses not kept in cleanly state	...	1
Accumulations found in slaughterhouses...	...	12
Meat exposed to contamination	... ..	10
Vehicles not kept in cleanly state	... ..	8
Meat not properly protected during transport	...	10
Notices served	... ..	11
No. of animals slaughtered and examined	...	33109

## Slaughter of Animals Act, 1933.

No. of licensed slaughtermen	...	...	31
„ „ new licences issued	...	...	2
„ „ licences renewed	...	...	5
Offences reported	...	...	—

## SECTION III.

### FACTORIES, SHOPS, Etc.

#### Factories and Workplaces.

		No. of Inspections	Written Notices
Factories with mechanical power	... ..	118	20
„ without mechanical power	... ..	84	10
Others	... ..	3	—
		—	—
	Total	205	30

		Defects Found	Remedied	Referred to H.M. Inspector
Want of Cleanliness	... ..	31	24	—
Overcrowding	... ..	—	—	—
Unreasonable temperature	... ..	—	—	—
Inadequate ventilation	... ..	2	1	—
Drainage of floors	... ..	4	4	—
Sanitary Conveniences—				
Insufficient	... ..	6	4	—
Unsuitable or defective	... ..	12	8	—
Not separate for sexes	... ..	2	2	—
Other offences	... ..	7	6	—

The number of outworkers notified was 5. The premises used by them were inspected and found to be satisfactory.

### SHOPS ACTS, 1912-36.

Inspections and re-inspections	...	...	...	190
Notices served (Informal 5, Formal 1)	...	...	...	6
Forms and Notices provided as result of notices	...	...	...	11
Hours of employment adjusted	...	...	...	4
Seats provided	...	...	...	1
Means of heating provided...	...	...	...	—
Washing facilities provided	...	...	...	—
Sanitary accommodation improved	...	...	...	—

### SHOPS (SUNDAY TRADING RESTRICTIONS) ACT, 1936.

No complaints were received and no contraventions observed.

### THEATRES, CINEMAS, Etc.

Seventeen inspections were made. Conditions were satisfactory.

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## SECTION IV. MISCELLANEOUS SMOKE ABATEMENT.

Appropriate action was taken in respect of excessive emissions of smoke from industrial chimneys (6) and domestic chimneys (14).

### RATS AND MICE (DESTRUCTION) ACT, 1919.

Complaints received and investigated	...	...	...	87
Inspection and re-inspection	...	...	...	324
Notices served...	...	...	...	52
Defective sewers repaired	...	...	...	22
„ sewer connections repaired	...	...	...	6
„ private drains repaired	...	...	...	118
Intercepting trap stoppers replaced	...	...	...	11
Accumulations removed	...	...	...	16
Premises rat-proofed	...	...	...	78
Water storage cisterns	...	...	...	3
Drains tested by smoke	...	...	...	40
„ „ „ chemicals	...	...	...	33
Baits laid (Red Squill)	...	...	...	50

## OFFENSIVE TRADES.

Nine offensive trades were in use.

Rag and Bone dealers	...	...	..	4
Marine Stores	...	...	...	2
Rabbit Skin dealers	...	...	...	2
Rag and marine store	...	...	...	1

## LEGAL PROCEEDINGS.

FOOD & DRUGS ACT, 1938. Section 3.

Adulteration of milk :—

- |   |  |
|---|--|
| <p>(a) Sample No. 65<br/>Fat Deficiency 34 per cent.</p>              | <p>Dismissed under Probation of Offenders Act, on payment of £3 - 7 - 0 costs.</p> |
| <p>(b) Sample No. 164<br/>Fat deficiency 11 per cent.</p>             | <p>Dismissed on payment of £2 - 2 - 0 costs.</p>                                   |
| <p>(c) Samples No. 166 &amp; 167<br/>Extraneous water 6 per cent.</p> | <p>Vendor fined £2-2-0 and ordered to pay £2-2-0 costs.</p>                        |

# CASES OF INFECTIOUS DISEASE NOTIFIED AND REMOVED DURING 1941

Cases Notified	At all Ages																												TOTAL NOTIFIED
	Under 1		1-2		2-3		3-4		4-5		5-10		10-15		15-20		20-25		25-35		35-45		45-55		55-65 and over				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Diphtheria	18	39	1	2	...	...	1	1	3	2	2	8	6	5	4	6	1	4	5	1	3	2	...	...	...	...	...	...	
Scarlet Fever	74	87	...	...	...	3	3	3	4	7	32	25	24	17	3	6	9	4	10	2	3	1	2	1	...	...	...	...	
Pneumonia	17	13	1	...	1	1	1	1	...	...	3	...	...	1	...	...	...	1	4	1	4	5	3	3	1	2	1	1	
Erysipelas	4	12	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	2	4	5	...	...	
Puerperal Pyrexia	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	10	...	1	...	...	...	...	...	...	...	
Ophthalmia Neonatorum	8	4	8	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Enteric Fever	2	6	...	...	...	1	1	1	1	1	...	...	...	1	2	...	...	...	1	...	...	...	...	...	...	...	...	...	
Measles	850	855	29	13	74	57	61	78	90	86	105	91	40	2	61	13	16	6	11	6	15	2	5	...	...	...	...	2	
Whooping Cough	98	144	8	14	15	11	14	15	16	18	13	21	29	57	2	3	...	1	1	2	...	...	...	...	...	...	...	...	
Cerebro-spinal Fever	9	6	1	1	1	1	2	...	...	...	...	2	1	1	1	1	1	...	1	3	...	...	...	...	...	...	...	...	
Anterior Poliomyelitis	3	5	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
Acute Poliomyelitis	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	3	
Tuberculosis Pulmonary	45	39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	13	3	1	...	6	6	3	...	...	...	
" Non-Pulmonary...	9	8	...	...	...	1	1	...	...	...	...	...	3	...	...	...	...	1	...	1	1	1	...	...	...	...	...	1	
TOTAL NOTIFIED	1138	1235	46	34	91	70	77	100	113	111	126	124	472	506	97	91	30	34	13	37	28	62	23	21	8	23	12	8	2

## Cases Removed to Hospital—†

[illegible]

††Excluding Patients from outside the City Area

\*Including 8 "carriers."

NOTE—A Summary of Statistics relating to Number of Notifications, Number of Deaths, Incidence and Death Rates of Infectious Diseases, will be found on page 7, an analysis of Deaths according to Age Periods on pages 38 and 39, and a further note in connection with the Notification of Tuberculosis on page 23.

*The Causes of death in this table are not strictly comparable in every case with those in previous Reports owing to modifications introduced by the Registrar General in 1940*

(53 weeks).

Persons



CAUSES	Persons	M	F	-1		1-2		2-5		5-10		10-15		15-20		20-25		25-35		35-45		45-55		55-60		60-65		65-75		75-80		80-85		85-88		88-90			
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
28 Diarrhoea and Enteritis	7	2	5	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29 Appendicitis	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
30 Other digestive diseases	26	13	13	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
31 Nephritis	33	19	14	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
32 Bladder, Prostate, diseases	10	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
33 Puerperal sepsis	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
34 Other maternal causes	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
35 Premature birth	10	5	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
36 Congenital Malform'n, etc	15	9	6	8	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
37 Senility	35	8	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
38 Suicide	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
39 Road traffic accidents...	11	7	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
40 Other violent causes	45	23	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
41 Other causes	70	29	41	3	1	...	...	2	2	1	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
SPECIAL CAUSES:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
TOTAL	1135	496	639	26	22	5	4	6	7	4	3	6	1	4	2	2	2	12	14	26	25	47	41	44	29	50	44	123	136	64	104	38	97	39	108	...	...		
1 Walcot North Ward	62	38	24	?	3	1	...	1	2	1	...	1	...	1	...	1	...	1	1	2	2	2	3	4	...	5	1	7	...	...	...	...	...	...	...	...	...	...	
2 Walcot South	76	40	36	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	3	10	1	2	2	2	2	3	9	9	8	4	2	6	3	8	...	...	
3 St. Michael	69	20	49	5	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	2	...	1	1	3	3	5	4	10	3	6	4	6	3	8	...	...		
4 Lansdown	115	42	73	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	2	4	11	2	1	4	12	14	7	12	4	19	2	15	...	...		
5 Weston	104	39	65	3	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	3	1	7	1	1	7	3	12	14	6	8	5	17	2	9	...	...		
6 Kingsmead	85	38	47	4	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3	3	2	2	4	6	9	1	8	1	4	2	6	...	...			
7 St. James	52	17	35	2	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	2	1	1	1	2	2	9	18	9	1	11	2	10	5	16	...	...		
8 Bathwick	87	26	61	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	4	1	2	4	3	4	2	7	7	7	4	5	2	2	8	...	...			
9 Widcombe	68	33	35	1	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	1	2	5	3	3	3	5	2	5	2	4	8	1	4	4	7	...		
10 Westmoreland	55	29	26	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	3	3	5	1	4	2	5	6	8	4	7	4	8	6	9	...	...		
11 Oldfield	80	36	44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
12 Lyncombe	127	58	69	5	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3	6	3	2	4	1	4	6	9	17	14	5	13	7	7	6	9	...		
13 Twerton East	68	32	36	1	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	5	6	4	2	2	1	2	8	5	6	6	2	2	2	8	...	...		
14 Twerton West	87	48	39	5	1	...	3	...	...	...	2	3	1	2	1	...	...	...	...	2	4	2	1	6	2	3	4	5	4	11	8	6	5	2	3	1	...	...	
Inward Transfers	57	27	30	1	1	...	1	1	2	...	1	...	...	...	...	...	...	...	...	2	3	4	3	5	2	4	2	1	...	...	...	...	...	...	...	...	...	...	
Outward Transfers	413	211	202	12	7	...	1	3	2	2	4	2	...	9	4	8	3	22	9	24	13	27	26	23	12	9	11	34	45	19	29	13	19	4	17	...	...		
Public Inst. (Residents)	439	209	230	11	14	1	2	5	5	2	2	5	...	3	1	1	1	8	10	14	18	23	20	23	13	24	21	39	51	24	32	13	20	13	20	...	...		

## BIRTHS, DEATHS UNDER 1 YEAR, AND INFANT MORTALITY, 1941.

	Total			Legitimate			Illegitimate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Births ...	595	496	1091	555	466	1021	40	30	70
Deaths (under one year) ...	26	22	48	23	19	42	3	3	6
* Infant Mortality ...	43	44	43	41	40	40	75	100	83

\* i.e., Deaths under one year per 1,000 live births

### OPHTHALMIA NEONATORUM.

Cases.			Vision Unimpaired	Vision Impaired	Total Blindness	Deaths
Notified	Treated					
	At Home	At Hosp.				
12*	4	8	11	...	...	...

\*One infant left Bath—information regarding vision unobtainable.

## SUMMARY OF METEOROLOGICAL OBSERVATIONS

Taken at 9 a.m. G.M.T., at Henrietta Park.

1941		Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Temperatures.	Mean ...	35.2	39.9	41.9	44.2	47.9	59.6	63.3	59.9	58.5	51.4	45.1	43.5	49.2
	„ 40 yrs Average	41.0	40.8	44.4	47.0	53.4	58.0	61.4	60.9	56.8	50.7	44.0	41.4	49.9
	Highest ...	48.3	53.5	56.7	63.6	64.0	86.0	84.6	78.0	78.9	72.7	57.5	58.0	86.0
	Date ...	22	9	14	22	29	21	7	2	4	7	10	14	21 June
	Lowest ...	20.1	24.2	26.6	30.9	27.8	42.2	46.6	45.0	35.5	30.8	23.5	23.9	20.1
	Date ...	17	25	24	10	16	13	5	31	16	27	5	29	17 Jan.
Humidity...		90	86	81	72	70	74	69	77	85	87	87	88	80
Rainfall.	Total in inches ...	3.73	2.79	3.75	1.21	1.38	2.04	1.65	4.99	.47	1.69	1.73	1.97	27.40
	No. Wet Days ...	21	17	17	11	12	8	12	23	3	11	17	15	167
	Mean of 75 yrs. ...	2.87	2.29	2.17	2.14	2.01	2.07	2.68	2.79	2.59	3.27	2.95	3.22	31.02
	„ Wet Days ...	15	14	14	13	12	11	13	14	13	16	15	17	167
Sunshine, hours ...		40.2	68.0	100.5	122.7	143.0	195.5	216.8	172.4	120.5	126.5	46.0	39.6	1391.7
Do. Mean of 35 yrs.		50.4	74.0	115.5	152.6	192.3	200.9	200.0	183.7	147.4	100.2	63.2	42.4	1522.8